



VEHICLE DIAGNOSTIC REPORT

Report No: PAD-2026-0001

Date: 15/04/2026

Technician: A. Thomas

Pontypridd Auto Diagnostics | 4 Highfield Terrace, Pontypridd, CF37 2HP | Tel: 07896 657792 | contact@pontypriddiagnostics.co.uk

CUSTOMER & VEHICLE DETAILS

CUSTOMER NAME	John Davies	REGISTRATION	LK21 ABC
PHONE	07700 900000	MAKE / MODEL	Volkswagen Golf
EMAIL	john.davies@example.com	YEAR	2021
SCAN DATE	15/04/2026	MILEAGE	41,250 miles
SCAN TOOL	ANCEL DS600 Elite BT	FUEL / GEARBOX	Petrol / Manual
VIN	WVWZZZ1KZAW000000		

SYSTEM HEALTH OVERVIEW

SYSTEM	STATUS	FAULT CODES
Engine (ECM)	Fault	2
Transmission (TCM)	Pass	—
ABS / Stability Control	Pass	—
Airbag / SRS	Pass	—
Body Control Module (BCM)	Warning	1
TPMS	Pass	—
Air Conditioning	Pass	—
Instrument Cluster	Pass	—

DTC FAULT CODES

CODE	SYSTEM	DESCRIPTION	TYPE	STATUS
P0171	Engine	Fuel System Too Lean (Bank 1) — air/fuel mixture leaner than expected	Confirmed	Active
P0300	Engine	Random / Multiple Cylinder Misfire Detected	Confirmed	Active
B1001	BCM	Passenger Window Switch Circuit — intermittent signal fault	Stored	Intermittent

FREEZE FRAME DATA

Freeze Frame — Code: P0171

PARAMETER	VALUE
Engine RPM	820 RPM
Engine Load	23.5%
Coolant Temperature	87 deg C

Short Term Fuel Trim	+18.0%
Long Term Fuel Trim	+14.8%
Intake Air Temperature	19 deg C
Mass Air Flow (MAF)	2.31 g/s
Vehicle Speed	0 km/h (idle)
Throttle Position	14.2%

Freeze Frame — Code: P0300

PARAMETER	VALUE
Engine RPM	1,340 RPM
Engine Load	41.2%
Coolant Temperature	88 deg C
Misfire Count Cyl 1	12
Misfire Count Cyl 3	9
Fuel Trim (ST)	+16.4%
Vehicle Speed	32 km/h
Throttle Position	28.7%

OVERALL URGENCY RATING

ATTENTION REQUIRED SOON

Two active engine fault codes were detected. While the vehicle may currently remain driveable, continued use with an active lean condition and misfire risks further engine wear and potential catalytic converter damage if left unaddressed. We recommend having these faults investigated by a qualified mechanic within 1-2 weeks. The BCM fault is intermittent and low priority.

RECOMMENDATIONS

- PRIORITY** — Have P0171 (Fuel System Lean) investigated. Common causes include a vacuum leak, faulty MAF sensor, or failing fuel injectors. Freeze frame shows high positive fuel trims at idle, pointing toward an air leak or weak fuel delivery.
- PRIORITY** — Have P0300 (Random Misfire) investigated alongside P0171. Lean-induced misfires are common when fuel trims are elevated. Spark plugs and coil packs should also be inspected.
- LOW PRIORITY** — B1001 (Passenger Window Switch) is stored and intermittent. Monitor for recurrence. No immediate action required.
- Avoid sustained high-load driving (motorway/dual carriageway) until engine faults are resolved.
- Present this report to your chosen garage — freeze frame data will help the technician diagnose the root cause efficiently and may reduce diagnostic time and cost.

Additional Notes

Vehicle started and idled normally at time of scan. No dashboard warning lights were reported by the customer prior to the appointment; however both engine codes were active at connection.

DISCLAIMER: This report is based solely on electronic diagnostic data retrieved at the time of scan. It does not constitute a mechanical inspection or guarantee of vehicle roadworthiness. Fault codes indicate potential system issues and should be assessed by a qualified mechanic before any repair work is undertaken. This is a diagnostic-only service. No mechanical advice, repair work, or guarantee of repair outcome is implied or provided.

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